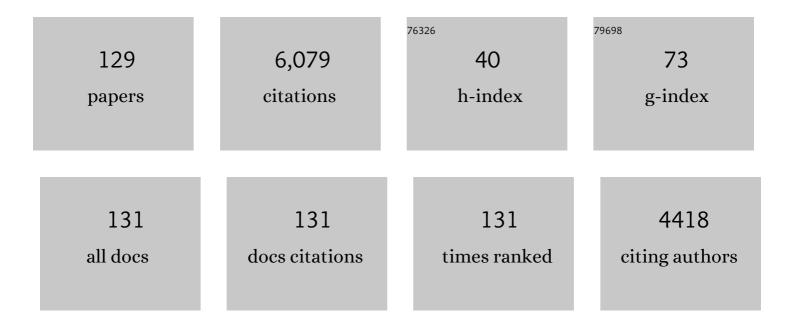
## Caroline Le Van Kim

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Plasma microparticles of intubated COVIDâ€19 patients cause endothelial cell death, neutrophil adhesion and netosis, in a phosphatidylserineâ€dependent manner. British Journal of Haematology, 2022, 196, 1159-1169.	2.5	20
2	Phagocytosis of Erythrocytes from Gaucher Patients Induces Phenotypic Modifications in Macrophages, Driving Them toward Gaucher Cells. International Journal of Molecular Sciences, 2022, 23, 7640.	4.1	5
3	Proteomic analysis of neutrophils from patients with <scp>COVID</scp> â€19. British Journal of Haematology, 2022, 199, 61-64.	2.5	3
4	Oxidative stress activates red cell adhesion to laminin in sickle cell disease. Haematologica, 2021, 106, 2478-2488.	3.5	10
5	Cellâ€derived microparticles and sickle cell disease chronic vasculopathy in subâ€6aharan Africa: A multinational study. British Journal of Haematology, 2021, 192, 634-642.	2.5	6
6	Sickle Cell Trait Modulates the Proteome and Phosphoproteome of Plasmodium falciparum-Infected Erythrocytes. Frontiers in Cellular and Infection Microbiology, 2021, 11, 637604.	3.9	4
7	Deficient mitophagy pathways in sickle cell disease. British Journal of Haematology, 2021, 193, 988-993.	2.5	14
8	Inherited glycosylphosphatidylinositol defects cause the rare Emm-negative blood phenotype and developmental disorders. Blood, 2021, 137, 3660-3669.	1.4	18
9	Rapid clearance of storage-induced microerythrocytes alters transfusion recovery. Blood, 2021, 137, 2285-2298.	1.4	45
10	The equilibrative nucleoside transporter ENT1 is critical for nucleotide homeostasis and optimal erythropoiesis. Blood, 2021, 137, 3548-3562.	1.4	16
11	Metabolic rejuvenation upgrades circulatory functions of red blood cells stored under blood bank conditions. Transfusion, 2021, 61, 903-918.	1.6	11
12	Downregulation of Mitochondrial TSPO Inhibits Mitophagy and Reduces Enucleation During Human Terminal Erythropoiesis. International Journal of Molecular Sciences, 2020, 21, 9066.	4.1	14
13	Effects of sphingolipids overload on red blood cell properties in Gaucher disease. Journal of Cellular and Molecular Medicine, 2020, 24, 9726-9736.	3.6	8
14	Semaphorin 7A: A novel marker of disease activity in Gaucher disease. American Journal of Hematology, 2020, 95, 483-491.	4.1	2
15	The proteome of neutrophils in sickle cell disease reveals an unexpected activation of interferon alpha signaling pathway. Haematologica, 2020, 105, 2851-2854.	3.5	21
16	Lack of the multidrug transporter MRP4/ABCC4 defines the PEL-negative blood group and impairs platelet aggregation. Blood, 2020, 135, 441-448.	1.4	18
17	Dimerization and phosphorylation of Lutheran/basal cell adhesion molecule are critical for its function in cell migration on laminin. Journal of Biological Chemistry, 2019, 294, 14911-14921.	3.4	7
18	Insights into determinants of spleen injury in sickle cell anemia. Blood Advances, 2019, 3, 2328-2336.	5.2	26

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19	New insights into red cell rheology and adhesion in patients with sickle cell anaemia during vasoâ€occlusive crises. British Journal of Haematology, 2019, 185, 991-994.	2.5	13
20	Storage-Induced Micro-Erythrocytes Are Rapidly Cleared from Recipient Circulation and Predict Transfusion Recovery. Blood, 2019, 134, 717-717.	1.4	5
21	Impact of hydroxycarbamide and interferon-α on red cell adhesion and membrane protein expression in polycythemia vera. Haematologica, 2018, 103, 972-981.	3.5	11
22	Band 3 phosphorylation induces irreversible alterations of stored red blood cells. American Journal of Hematology, 2018, 93, E110-E112.	4.1	23
23	Involvement of hepcidin in iron metabolism dysregulation in Gaucher disease. Haematologica, 2018, 103, 587-596.	3.5	18
24	Induction of ATP Release, PPIX Transport, and Cholesterol Uptake by Human Red Blood Cells Using a New Family of TSPO Ligands. International Journal of Molecular Sciences, 2018, 19, 3098.	4.1	5
25	A microfluidic approach to study the effect of mechanical stress on erythrocytes in sickle cell disease. Lab on A Chip, 2018, 18, 2975-2984.	6.0	32
26	Human erythrocytes release ATP by a novel pathway involving VDAC oligomerization independent of pannexin-1. Scientific Reports, 2018, 8, 11384.	3.3	26
27	Fluorescence Exclusion: A Simple Method to Assess Projected Surface, Volume and Morphology of Red Blood Cells Stored in Blood Bank. Frontiers in Medicine, 2018, 5, 164.	2.6	12
28	Prognostic factors of disease severity in infants with sickle cell anemia: A comprehensive longitudinal cohort study. American Journal of Hematology, 2018, 93, 1411-1419.	4.1	17
29	Spherocytic shift of red blood cells during storage provides a quantitative whole cell–based marker of the storage lesion. Transfusion, 2017, 57, 1007-1018.	1.6	62
30	The endothelin B receptor plays a crucial role in the adhesion of neutrophils to the endothelium in sickle cell disease. Haematologica, 2017, 102, 1161-1172.	3.5	33
31	Antioxidant and Membrane Binding Properties of Serotonin Protect Lipids from Oxidation. Biophysical Journal, 2017, 112, 1863-1873.	0.5	66
32	Effect of velaglucerase alfa enzyme replacement therapy on red blood cell properties in Gaucher disease. American Journal of Hematology, 2017, 92, E561-E563.	4.1	7
33	Enhanced calreticulin expression in red cells of polycythemia vera patients harboring the <i>JAK2</i> <sup>V617F</sup> mutation. Haematologica, 2017, 102, e241-e244.	3.5	10
34	Optimization of ultra-high pressure liquid chromatography – tandem mass spectrometry determination in plasma and red blood cells of four sphingolipids and their evaluation as biomarker candidates of Gaucher's disease. Journal of Chromatography A, 2017, 1525, 116-125.	3.7	22
35	Effects of Poloxamer 188 on red blood cell membrane properties in sickle cell anaemia. British Journal of Haematology, 2016, 173, 145-149.	2.5	23
36	Unexpected macrophage-independent dyserythropoiesis in Gaucher disease. Haematologica, 2016, 101, 1489-1498.	3.5	7

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37	The Endothelin Receptor Etb Plays a Crucial Role for Recruitment of Neutrophils to the Vascular Wall in Sickle Cell Disease. Blood, 2016, 128, 857-857.	1.4	0
38	Band 3 Phosphorylation Induces Irreversible Alteration of Stored Red Blood Cells. Blood, 2016, 128, 5029-5029.	1.4	0
39	The human Kell blood group binds the erythroid 4.1R protein: new insights into the 4.1R-dependent red cell membrane complex. British Journal of Haematology, 2015, 171, 862-871.	2.5	14
40	Splenic Retention of Plasmodium falciparum Gametocytes To Block the Transmission of Malaria. Antimicrobial Agents and Chemotherapy, 2015, 59, 4206-4214.	3.2	24
41	A biomimetic microfluidic chip to study the circulation and mechanical retention of red blood cells in the spleen. American Journal of Hematology, 2015, 90, 339-345.	4.1	65
42	Evidence of a Structural and Functional Ammonium Transporter RhBG·Anion Exchanger 1·Ankyrin-G Complex in Kidney Epithelial Cells. Journal of Biological Chemistry, 2015, 290, 6925-6936.	3.4	9
43	Erythroid Adhesion Molecules in Sickle Cell Anaemia Infants: Insights Into Early Pathophysiology. EBioMedicine, 2015, 2, 154-157.	6.1	11
44	Staphylococcus aureus Targets the Duffy Antigen Receptor for Chemokines (DARC) to Lyse Erythrocytes. Cell Host and Microbe, 2015, 18, 363-370.	11.0	88
45	Contribution of Imaging Flow Cytometry to Storage Lesion Assessment: Identification of a Sub-Population of Morphologically Altered Erythrocytes. Blood, 2015, 126, 2343-2343.	1.4	1
46	Hydroxycarbamide Decreases Sickle Reticulocyte Adhesion to Resting Endothelium by Inhibiting Endothelial Lutheran/Basal Cell Adhesion Molecule (Lu/BCAM) through Phosphodiesterase 4A Activation. Journal of Biological Chemistry, 2014, 289, 11512-11521.	3.4	34
47	Lutheran/basal cell adhesion molecule accelerates progression of crescentic glomerulonephritis in mice. Kidney International, 2014, 85, 1123-1136.	5.2	11
48	Flow cytometry analyses reveal association between Lu/BCAM adhesion molecule and osteonecrosis in sickle cell disease. American Journal of Hematology, 2014, 89, 115-117.	4.1	6
49	Red cell adhesion in human diseases. Current Opinion in Hematology, 2014, 21, 186-192.	2.5	32
50	An Unsuspected Dyserythropoiesis in Gaucher Disease. Blood, 2014, 124, 1344-1344.	1.4	2
51	Erythroid Adhesion Molecule Expression Profile in Sickle Cell Anemia Infants. Blood, 2014, 124, 1368-1368.	1.4	0
52	Urea and Water Permeation across the Human Red Blood Cell Membrane. New Insights into Transport Mechanisms. Biophysical Journal, 2013, 104, 112a-113a.	0.5	1
53	Abnormal properties of red blood cells suggest a role in the pathophysiology of Gaucher disease. Blood, 2013, 121, 546-555.	1.4	37
54	Rapid Cl <sup>â^'</sup> /HCO <sub>3</sub> <sup>â^'</sup> exchange kinetics of AE1 in HEK293 cells and hereditary stomatocytosis red blood cells. American Journal of Physiology - Cell Physiology, 2013, 305, C654-C662.	4.6	10

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55	VHH (nanobody) directed against human glycophorin A: A tool for autologous red cell agglutination assays. Analytical Biochemistry, 2013, 438, 82-89.	2.4	35
56	JAK2V617F activates Lu/BCAM-mediated red cell adhesion in polycythemia vera through an EpoR-independent Rap1/Akt pathway. Blood, 2013, 121, 658-665.	1.4	88
57	Energetic and Molecular Water Permeation Mechanisms of the Human Red Blood Cell Urea Transporter B. PLoS ONE, 2013, 8, e82338.	2.5	27
58	Serotonin Is a Key Factor for Mouse Red Blood Cell Survival. PLoS ONE, 2013, 8, e83010.	2.5	29
59	Flow cytometry: retrospective, fundamentals and recent instrumentation. Cytotechnology, 2012, 64, 109-130.	1.6	175
60	Novel role for the Lu/BCAM–spectrin interaction in actin cytoskeleton reorganization. Biochemical Journal, 2011, 436, 699-708.	3.7	20
61	Decreased sickle red blood cell adhesion to laminin by hydroxyurea is associated with inhibition of Lu/BCAM protein phosphorylation. Blood, 2010, 116, 2152-2159.	1.4	65
62	A recombinant dromedary antibody fragment (VHH or nanobody) directed against human Duffy antigen receptor for chemokines. Cellular and Molecular Life Sciences, 2010, 67, 3371-3387.	5.4	47
63	Role of the interaction between Lu/BCAM and the spectrinâ€based membrane skeleton in the increased adhesion of hereditary spherocytosis red cells to laminin. British Journal of Haematology, 2010, 148, 456-465.	2.5	22
64	Aggregation of mononuclear and red blood cells through an Â4Â1-Lu/basal cell adhesion molecule interaction in sickle cell disease. Haematologica, 2010, 95, 1841-1848.	3.5	42
65	Role of Lu/BCAM glycoproteins in red cell diseases. Transfusion Clinique Et Biologique, 2010, 17, 143-147.	0.4	20
66	Red cell and endothelial Lu/BCAM beyond sickle cell disease. Transfusion Clinique Et Biologique, 2008, 15, 402-405.	0.4	4
67	Genetic inactivation of the laminin α <sub>5</sub> chain receptor Lu/BCAM leads to kidney and intestinal abnormalities in the mouse. American Journal of Physiology - Renal Physiology, 2008, 294, F393-F406.	2.7	35
68	Phosphorylation and Ankyrin-G Binding of the C-terminal Domain Regulate Targeting and Function of the Ammonium Transporter RhBG. Journal of Biological Chemistry, 2008, 283, 26557-26567.	3.4	16
69	Ubc9 interacts with Lu/BCAM adhesion glycoproteins and regulates their stability at the membrane of polarized MDCK cells. Biochemical Journal, 2007, 402, 311-319.	3.7	8
70	Endothelial Lu/BCAM glycoproteins are novel ligands for red blood cell α4β1integrin: role in adhesion of sickle red blood cells to endothelial cells. Blood, 2007, 109, 3544-3551.	1.4	57
71	Increased adhesion to endothelial cells of erythrocytes from patients with polycythemia vera is mediated by laminin $\hat{l}\pm 5$ chain and Lu/BCAM. Blood, 2007, 110, 894-901.	1.4	114
72	Noninvasive fetal RHD genotyping from maternal plasma. Transfusion Clinique Et Biologique, 2007, 14, 572-577.	0.4	44

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73	Functional interaction between Rh proteins andÂtheÂspectrin-based skeleton inÂerythroid andÂepithelial cells. Transfusion Clinique Et Biologique, 2006, 13, 23-28.	0.4	37
74	Ammonium transport properties ofÂHEK293 cells expressing RhCG mutants: preliminary analysis ofÂstructure/function byÂsite-directed mutagenesis. Transfusion Clinique Et Biologique, 2006, 13, 128-131.	0.4	8
75	Rh proteins: Key structural and functional components of the red cell membrane. Blood Reviews, 2006, 20, 93-110.	5.7	109
76	Human Rhesus B and Rhesus C glycoproteins: properties of facilitated ammonium transport in recombinant kidney cells. Biochemical Journal, 2005, 391, 33-40.	3.7	79
77	Fine mapping of the Duffy antigen binding site for the Plasmodium vivax Duffy-binding protein. Molecular and Biochemical Parasitology, 2005, 144, 100-103.	1.1	25
78	Protein Kinase A-dependent Phosphorylation of Lutheran/Basal Cell Adhesion Molecule Glycoprotein Regulates Cell Adhesion to Laminin α5. Journal of Biological Chemistry, 2005, 280, 30055-30062.	3.4	64
79	The Ammonium Transporter RhBG. Journal of Biological Chemistry, 2005, 280, 8221-8228.	3.4	46
80	Increased Adhesion of Red Blood Cells from Patients with Polycythemia Vera Is Mediated by Lu/B-CAM and Laminin alpha 5 Blood, 2005, 106, 3527-3527.	1.4	1
81	Direct interaction between the Lu/B-CAM adhesion glycoproteins and erythroid spectrinâ€. British Journal of Haematology, 2004, 126, 255-264.	2.5	39
82	Sequence, evolution and ligand binding properties of mammalian Duffy antigen/receptor for chemokines. Immunogenetics, 2004, 55, 682-694.	2.4	46
83	Large-Scale Pre-Diagnosis Study of Fetal RHD Genotyping by PCR on Plasma DNA from RhD-Negative Pregnant Women. Molecular Diagnosis and Therapy, 2004, 8, 23-31.	1.1	97
84	Structure-function analysis of the extracellular domains of the Duffy antigen/receptor for chemokines: characterization of antibody and chemokine binding sites. British Journal of Haematology, 2003, 122, 1014-1023.	2.5	51
85	Rh-RhAG/Ankyrin-R, a New Interaction Site between the Membrane Bilayer and the Red Cell Skeleton, Is Impaired by Rhnull-associated Mutation. Journal of Biological Chemistry, 2003, 278, 25526-25533.	3.4	116
86	Evidence that the red cell skeleton protein 4.2 interacts with the Rh membrane complex member CD47. Blood, 2003, 101, 338-344.	1.4	110
87	Cell-surface expression of RhD blood group polypeptide is posttranscriptionally regulated by the RhAG glycoprotein. Blood, 2002, 100, 1038-1047.	1.4	40
88	Structural characterization of the epitope recognized by the new anti-Fy6 monoclonal antibody NaM185-2C3. Transfusion Medicine, 2002, 12, 205-211.	1.1	37
89	Cell-surface expression of RhD blood group polypeptide is posttranscriptionally regulated by the RhAG glycoprotein. Blood, 2002, 100, 1038-1047.	1.4	6
90	Cell-surface expression of RhD blood group polypeptide is posttranscriptionally regulated by the RhAG glycoprotein. Blood, 2002, 100, 1038-47.	1.4	11

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91	Flow cytometric analysis of the association between blood group-related proteins and the detergent-insoluble material of K562 cells and erythroid precursors. British Journal of Haematology, 2001, 113, 680-688.	2.5	35
92	Characterization of the Laminin Binding Domains of the Lutheran Blood Group Glycoprotein. Journal of Biological Chemistry, 2001, 276, 23757-23762.	3.4	37
93	Analysis of deletions in three McLeod patients: exclusion of the XS locus from the Xp21.1-Xp21.2 region. International Journal of Immunogenetics, 2000, 27, 29-33.	1.2	17
94	Isoforms of the Lutheran/Basal Cell Adhesion Molecule Glycoprotein Are Differentially Delivered in Polarized Epithelial Cells. Journal of Biological Chemistry, 1999, 274, 31903-31908.	3.4	47
95	Characterization of a mouse laminin receptor gene homologous to the human blood group Lutheran gene. Immunogenetics, 1999, 50, 271-277.	2.4	12
96	The Lutheran Blood Group Glycoproteins, the Erythroid Receptors for Laminin, Are Adhesion Molecules. Journal of Biological Chemistry, 1998, 273, 16686-16693.	3.4	118
97	Arg89Cys Substitution Results in Very Low Membrane Expression of the Duffy Antigen/Receptor for Chemokines in Fyx Individuals. Blood, 1998, 92, 2147-2156.	1.4	110
98	Arg89Cys Substitution Results in Very Low Membrane Expression of the Duffy Antigen/Receptor for Chemokines in Fyx Individuals. Blood, 1998, 92, 2147-2156.	1.4	6
99	Close Association of the First and Fourth Extracellular Domains of the Duffy Antigen/Receptor for Chemokines by a Disulfide Bond Is Required for Ligand Binding. Journal of Biological Chemistry, 1997, 272, 16274-16280.	3.4	68
100	The 1.35-kb and 7.5-kb Duffy mRNA Isoforms Are Differently Regulated in Various Regions of Brain, Differ by the Length of Their 5′ Untranslated Sequence, but Encode the Same Polypeptide. Blood, 1997, 90, 2851-2853.	1.4	9
101	Organization of the Human LU Gene and Molecular Basis of the Lua/Lub Blood Group Polymorphism. Blood, 1997, 89, 4608-4616.	1.4	63
102	Specificity and sensitivity of RHD genotyping methods by PCRâ€based DNA amplification. British Journal of Haematology, 1997, 98, 356-364.	2.5	79
103	Immunochemical analysis of the Kx protein from human red cells of different Kell phenotypes using antibodies raised against synthetic peptides. British Journal of Haematology, 1997, 96, 857-863.	2.5	42
104	The 1.35-kb and 7.5-kb Duffy mRNA Isoforms Are Differently Regulated in Various Regions of Brain, Differ by the Length of Their 5′ Untranslated Sequence, but Encode the Same Polypeptide. Blood, 1997, 90, 2851-2853.	1.4	3
105	Tentative model for the mapping of D epitopes on the RhD polypeptide. Transfusion Clinique Et Biologique, 1996, 3, 497-503.	0.4	35
106	Molecular analysis of blood group Rh transcripts from a r G r variant. British Journal of Haematology, 1996, 93, 472-474.	2.5	27
107	Leu110Pro substitution in the RhD polypeptide is responsible for the DVII category blood group phenotype. American Journal of Hematology, 1995, 49, 87-88.	4.1	54
108	Structural analysis of the RH-like blood group gene products in nonhuman primates. Immunogenetics, 1995, 41, 271-281.	2.4	47

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109	Molecular basis and PCR-DNA typing of the Fya/fyb blood group polymorphism. Human Genetics, 1995, 95, 407-410.	3.8	129
110	Disruption of a GATA motif in the Duffy gene promoter abolishes erythroid gene expression in Duffy–negative individuals. Nature Genetics, 1995, 10, 224-228.	21.4	673
111	Single-cell analysis of the RhD blood type for use in preimplantation diagnosis in the prevention of severe hemolytic disease of the newborn. American Journal of Obstetrics and Gynecology, 1995, 172, 533-540.	1.3	37
112	Rh Haemolytic Disease of the Newborn and Rh genotyping by RFLP - and allele-specific — PCR. Transfusion Clinique Et Biologique, 1995, 2, 317-324.	0.4	3
113	Gerbich Blood Groups and Minor Glycophorins. Blood Cell Biochemistry, 1995, , 331-350.	0.3	1
114	Molecular characterization of the rh-like locus and gene transcripts from the rhesus monkey (Macaca mulatta). Journal of Molecular Evolution, 1994, 38, 169-176.	1.8	28
115	PCRâ€based determination of Rhc and RhE status of fetuses at risk of Rhc and RhE haemolytic disease. British Journal of Haematology, 1994, 88, 193-195.	2.5	63
116	Organization of the Gene (RHCE) Encoding the Human Blood Group RhCcEe Antigens and Characterization of the Promoter Region. Genomics, 1994, 19, 68-74.	2.9	116
117	Molecular genetic basis of the human Rhesus blood group system. Nature Genetics, 1993, 5, 62-65.	21.4	279
118	Prenatal Determination of Fetal RhD Type by DNA Amplification. New England Journal of Medicine, 1993, 329, 607-610.	27.0	276
119	Molecular cloning and primary structure of the human blood group RhD polypeptide Proceedings of the United States of America, 1992, 89, 10925-10929.	7.1	285
120	Erythrocyte webb-type glycophorin C variant lacks N-glycosylation due to an asparagine to serine substitution. American Journal of Hematology, 1991, 37, 51-52.	4.1	19
121	Localization of the human Rh blood group gene structure to chromosome region 1p34.3–1p36.1 by in situ hybridization. Human Genetics, 1991, 86, 398-400.	3.8	157
122	An ubiquitous isoform of glycophorin C is produced by alternative splicing. Nucleic Acids Research, 1990, 18, 3076-3076.	14.5	7
123	Molecular cloning and protein structure of a human blood group Rh polypeptide Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 6243-6247.	7.1	305
124	Molecular analysis of glycophorin A and B gene structure and expression in homozygous Miltenberger class V (Mi.V) human erythrocytes. FEBS Journal, 1989, 184, 337-344.	0.2	48
125	RFLPs for the human erythrocyte membrane glycophorin C gene. Nucleic Acids Research, 1987, 15, 1880-1880.	14.5	4
126	Gerbich blood group deficiency of the Ge:-1,-2,-3 and Ge:-1,-2,3 types Immunochemical study and genomic analysis with cDNA probes. FEBS Journal, 1987, 165, 571-579.	0.2	52

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127	Structure of human erythrocyte glycophorin C deduced from cDNA analysis. Revue Française De Transfusion Et Immuno-hématologie, 1986, 29, 267-285.	0.1	3
128	A comparative study of the ori sequences from the mitochondrial genomes of twenty wild-type yeast strains. Gene, 1984, 32, 459-473.	2.2	30
129	Chronic inflammation persistence after regular blood transfusion therapy in sickle cell anemia. Blood Advances, 0, , .	5.2	0